CLAIMS

- 1. A film for suppressing conduction of radiation heat comprising:
- a resin film having at least an infrared-ray absorptivity of lower than 25%;

an infrared-ray-reflection layer; and

an adhesive layer;

wherein an infrared ray reflectivity is 50% or higher.

2. The film for suppressing conduction of radiation heat of claim 1, wherein the adhesive layer is constituted with a bonding area and a non-bonding area,

to laminate together the resin film and the infrared-ray-reflection layer by bonding.

- 3. The film for suppressing conduction of radiation heat of claim 2, wherein the bonding area and non-bonding area of the adhesive layer forms a geometric pattern.
- 4. The film for suppressing conduction of radiation heat of claim 2, wherein the resin film has a melting point of 150°C or higher.
- 5. The film for suppressing conduction of radiation heat of claim 2, wherein the resin film is a fluorinated resin film.
- 6. The film for suppressing conduction of radiation heat of claim 4, wherein the resin film is a polyphenylene sulfide film.
- 7. The film for suppressing conduction of radiation heat of claim 2, wherein the infrared-ray-reflection layer is a metal foil.
- 8. The film for suppressing conduction of radiation heat of claim 2, wherein the infrared-ray-reflection layer is a metal-evaporated film.

- 9. A heat-insulating member having the film for suppressing conduction of radiation heat of claim 2 such that the resin-film is positioned at an outer side.
- 10. The film for suppressing conduction of radiation heat of claim 2, wherein a thermal bonding layer formed of a thermosetting resin is layered on the infrared-ray-reflection layer by an adhesive.
 - 11. A heat-insulating member comprising:
 - a core material; and
- a plurality of envelope materials, having a gas-barrier nature, having thermal bonding layers on inner surfaces and covering the core material, to seal an interior of the envelope materials under reduced pressure;

wherein at least one of the envelope materials is the film for suppressing conduction of radiation heat of claim 10.

- 12. The film for suppressing conduction of radiation heat of claim 1, wherein the resin film has a melting point of at least 150°C or higher, the infrared-ray-reflection layer is made by a metal foil.
- 13. The film for suppressing conduction of radiation heat of claim 12, wherein the resin film and the metal foil are layered alternately.
- 14. The film for suppressing conduction of radiation heat of claim 12, comprising the resin film and the metal foil layered.
- 15. The film for suppressing conduction of radiation heat of claim 12, wherein the metal foil is an aluminum foil.
- 16. The film for suppressing conduction of radiation heat of claim 12, wherein the resin film is a fluorinated resin film.

- 17. The film for suppressing conduction of radiation heat of claim 12, wherein the resin film is a polyphenylene sulfide film.
 - 18. A heat-insulating material comprising:

the film for suppressing conduction of radiation heat of claim 12 provided on a surface of a heat-insulating material.

19. A vacuum heat-insulating material comprising:

a core material; and

an envelope material covering the core material;

wherein the envelop material has an interior reduced in pressure, the envelope material having a lamination structure having a thermal bonding layer, a gas-barrier layer and a protection layer having a radiation-heat-conduction suppressivity;

the protection layer using the film for suppressing conduction of radiation heat of claim 1, the infrared-ray-reflection layer being a metal foil.

- 20. The vacuum heat-insulating material of claim 19, wherein the protection layer is layered with the resin film and the metal foil alternately.
- 21. The vacuum heat-insulating material of claim 19, wherein the protection layer is formed with the resin film in a single layer and the metal foil layered.
- 22. The vacuum heat-insulating material of claim 19, wherein the metal foil of the protection layer is an aluminum foil.
- 23. The vacuum heat-insulating material of claim 19, wherein the resin film of the protection layer is a fluorinated resin film.

- 24. The vacuum heat-insulating material of claim 19, wherein the resin film of the protection layer is a polyphenylene sulfide film.
- 25. The vacuum heat-insulating material of claim 19, wherein the metal foil of the protection layer is formed as a gas-barrier layer.
- 26. The vacuum heat-insulating material of claim 19, wherein the envelope material, having the protection layer having radiation heat conduction suppressivity, is used in a surface that is to higher-temperature side at least when the vacuum heat-insulating material is set up.
- 27. The vacuum heat-insulating material of claim 26, wherein the envelope material, on the surface that is to become a higher-temperature side when the vacuum heat-insulating material is set up, is greater in size than the envelope material on a lower-temperature side.